owon®
Meet your best need

Wave Rambler
Pen-type PC Oscilloscope

+ 25MHz bandwidth

+ 100MS/s sample rate

+ 5K record length

+ human engineering design

+ multi- action mode via creative trackball

+ multi- trigger option : edge, slope, and pulse

+ 5mV micro signal supported

+ USB bus powering, and optional USB isolation function

+ easy portability, pocket accommodated

CE

The full DSO in your pocket

Pen-type design with easy portability,
the ideal solution for on-site measurement.

Designed to be easily- disassembled

Special metal material made probe- tip assures
durable lifetime.
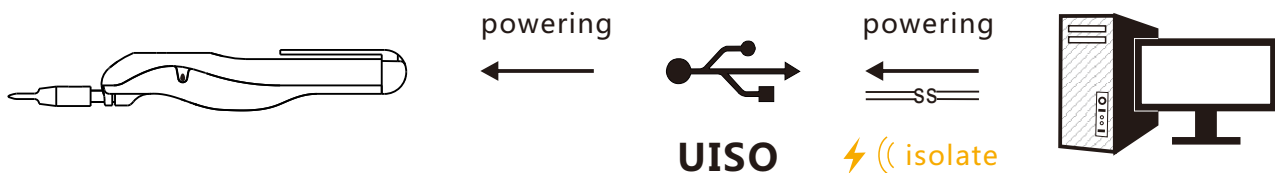
Ergonomic comfortability

Less touch-pressure from U-shape curved surface,
long-time operation also could be one kind enjoyment.

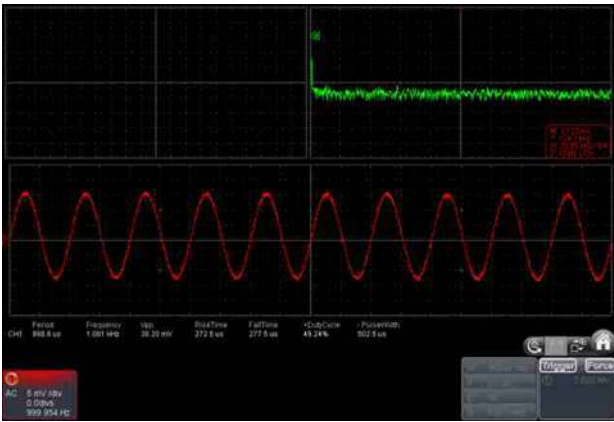|	
	The running/ stopping of Wave Rambler, is under the control of trackball.
	The zero voltage position, horizontal trigger position, and voltage base / time base could be adjusted by rolling the trackball, which makes the device-operation more comfortable, and convenient.
	The waterdrop-shape button brings you into 4 control options - the setting of trackball function, single trigger, force trigger, and autoset.

UISO function

Creative USB isolation function fulfills direct device- powering via USB port, and supports floating measurement (isolation voltage upto 1000V), making the operation more user-friendly, assuring safer T&M environment, and decreasing the interference to micro signal- measuring to the minimum.
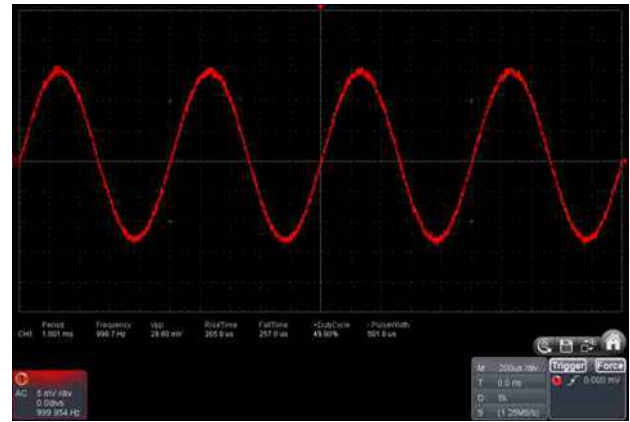
powering   powering

UISO   ⚡ ((isolate

Quality DSO for you

waveform recording/ replaying, FFT, and multi-trigger option available

FFT mode with waveform display

5mV micro signal supported

Performance Specifications

Model	RDS1021	RDS1021I
Bandwidth	25MHz	
Sample Rate	100MS/s	
Horizontal Scale (s/div)	5ns/div - 100s/div, step by 1 - 2 - 5	
Rise Time	≤14ns	
Record Length	5K	
Input Coupling	DC, AC, and GND	
Input Impedance	10MΩ±2%(X10), 1MΩ±2%(X1)	
Input Capacitance	20pF±5pF	
Max Input Voltage	50V (PK - PK) (DC + AC, PK - PK)	400V (PK - PK) (DC + AC, PK - PK)
DC Gain Accuracy	±3%	
DC Accuracy (average)	average≥16 : ±(3% reading + 0.05 div) for △V	
Analog Bandwidth	25MHz	
Probe Attenuation Factor	1X, 10X	
LF Respond (AC,-3dB)	≥10Hz	
Interpolation	sin(x)/x	
Displacement	±10div	
Interval (△T) Accuracy (full bandwidth)	Single : ±(1 interval time + 100ppm × reading + 0.6ns), Average>16 : ±(1 interval time + 100ppm × reading + 0.4ns)	
Vertical Resolution (A/D)	8 bits	
Vertical Sensitivity	5mV/div - 5V/div	

Easy Portability | Friendly Storage | Free Share

Performance Specifications

Model	RDS1021	RDS1021I
Trigger Type	Edge, Pulse, Slope	
Trigger Mode	Auto, Normal, Single	
Trigger Level	±5 divisions from screen center	
Acquisition Mode	Sample, Peak Detect and Average	
Cursor Measurement	△V and △T between cursors	
Automatic Measurement	Vpp, Vavg, Vrms, Freq, Period, Vmax, Vmin, Vtop, Vbase, Overshoot, Preshoot, Rise Time, Fall Time, +Width, -Width, +Duty, -Duty	
Waveform Math	FFT	
Communication Interface	USB2.0	
Dimension (W×H×D)	150 × 20 × 18 (mm)	
Weight (without package)	0.27 kg	

Specifications subject to change without prior notice.

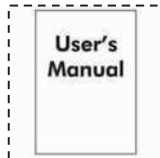The accessories subject to final delivery.

Grounding Clamp	Protection Cover	USB Cable	Manual	CD Rom

LILLIPUT®